

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/NLR/MC-386

Mine code : 41APR15161

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S/SHRI K.GOVINDA RAO, QP AND SRI SVL PRASADA RAO,MA
Official with
Designation
- (iv) Date of Inspection : 20/12/2022
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MANGALAPUR(4.999 HA)**
- (b) **Registration NO.** : **IBM/9596/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : NELLORE
- Village : MANGALAPUR
- Taluka : GUDUR
- Post office : MANGALAPUR
- Pin Code : 524406
- FAX No. :
- E-mail :
- Phone : 09885283133
- (f) Police Station :
- (g) First opening date : 01/07/2009
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : MICA Main

5. Name and Address of the

Lessee : SARAVANA MINERALS
NELLORE ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No approved proposals for the year 2021-22	Nil	
1b	Exploration over lease area for geological axis 1 or 2	-do-	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-do-	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-do-	No exploration has been carried out.	
1e	Balance reserve as on 01/04/20	As per last approved mining plan approved on 02.12.2008 the mineable reserves are 141375t	As per last approved mining plan approved on 02.12.2008, the mineable reserves are 144375	Lessee has submitted the draft Review of Mining Plan to this office and mine was inspected on 20.12.2022 which is under process.
1f	General remarks of inspecting officers on geology, exploration etc		The schists consists quartz, muscovite, biotite and hornblends. The pegmatites have intruded in to schists, the formation of muscovite mica books took place under favourable conditions. There is one more pegmatite body got exposed in mining lease area on north eastern side. The strike direction of the pegmatite body is N37W and the rate of amount of dip is 60.	The schists consists quartz, muscovite, biotite and hornblends. The pegmatites have intruded in to schists, the formation of muscovite mica books took place under favourable conditions. There is one more pegmatite body got exposed in mining lease area on north eastern side. The strike direction of the pegmatite body is N37W and the rate of amount of dip is 60.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved proposals for the year 2021-22	Nil	Leessee has submitted the draft Review of Mining Plan which is under proocess.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	-do-	Nil	
2c	Stripping ratio or ore to OB ratio	-do-	Nil	
2d	Quantity of topsoil generation in m3	-do-	Nil	
2e	Quantity of overburden generation in m3	-do-	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No approved proposals for the year 2021-22. No fresh minin g activity is observed during the site inspection.		No approved proposals for the year 2021-22. No fresh minin g activity is observed during the site inspection.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No approved Mining Plan proposals for the year 2021-22	Nil	No approved mining plan proposals for the year 2021-22. Further, leessee has submitted the draft Review of Mining Plan which is under proocess.
3b	Quantity of ROM mineral production proposed	-do-	Nil	
3c	Recovery of sailable/usable mineral from ROM production	-do-	Nil	
3d	Quantity of mineral reject generation	-do-	Nil	

3e	Grade of mineral rejects generation and threshold value declared.	-do-	Nil	Nil
3f	Quantity of sub grade mineral generation.	-do-	Nil	
3g	Grade of sub grade mineral generation	-do-	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.		Benificiation is not warranted	Benificiation is not warranted.
3j	Provision of drilling and blasting in mineral benches	-do-	No mining and development has been carried out during 2021-22	
3k	Provision of mining machineris in mineral benches	-do-	Nil	No approved proposals for the year 2021-22.Lessee has submitted the draft review of mining plan which is under preocess.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	-do-	Since there is no approved proposals, no mining and development has been carried during the year 2021-22.	
3m	Total area covered under excavation/pits		0.90 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	-do-	Nil	
3o	Total area put in use under different heads at the end of year	-do-	0.95 ha.	

3p	Production of ROM mineral during the last five year period as applicable	-do-	Nil	No approved proposals for the year 2021-22 and no mining and development has been carried during 2021-22.
3q	General remarks of inspecting officers on method of mining etc.			No approved proposals for the year 2021-22, No fresh mining activity observed in the field. Last mining plan was approved for B manual opencast method of mining. Further, lessee has submitted the draft review of mining plan to this office which is under process.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No approved Mining plan proposals for the year 2021-22	No mining and development has been carried during 2021-22	
4b	Location of topsoil, OB and mineral reject dumps	-do-	Nil	
4c	Number of dumps within lease area and outside of lease area		It was observed during the inspection that one dump was existed with the lease area.	It was observed during the inspection that one dump was existed with the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-do-	-do-	
4e	Number of active and alive dumps.	one	one	
4f	Number of dead dumps.	None	None	
4g	Number of dumps established.	none	None	

4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	
4i	Length of Retaining wall or garland drain all along dumps	None	None	
4k	Specific comments of inspecting officer on waste dump management		No approved proposals during the year 2021-22 and no mining & development carried during the year 2021-22. No waste dump was observed during the site inspection. Further, lessee has submitted the draft review of mining plan to this office which is under process.	No approved proposals during the year 2021-22 and no mining & development carried during the year 2021-22. No waste dump was observed during the site inspection. Further, lessee has submitted the draft review of mining plan to this office which is under process.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No approved mining plan proposal for the year 2021-22.	Nil	
5b	Area under backfilling of mined out area	-do-	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	-do-	Nil	
5d	Total area fully reclaimed and rehabilitated	-do-	Nil	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	The pit is not mined out upto its ultimate pit limit to start backfilling.	The pit is not mined out upto its ultimate pit limit to start backfilling.
----	--	--	--

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted by 1st day of July every year	There is no approved review of mining plan. However, lessee is submitting statutory returns timely.	
6b	Area available for rehabilitation (ha) .	No approved proposal for2021-22	Nil	
6c	afforestation done (ha).	-do-	Nil	There is no approved proposal for 201-There is no approved proposal for 201-22 . Further, lessee submitted the draft review of mining plan to this office which is under process.
6d	No. of saplings planted during the year	-do-	Nil	
6e	Cumulative no .of plants			There is no approved proposal for 201-22.Further, lessee submitted the draft review of mining plan to this office which is under process.
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	Nil	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities. Further, lessee has submitted the draft review of mining of mining plan which is under process.	No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities. Further, lessee has submitted the draft review of mining of mining plan which is under process.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No approved grade wise sorting proposal for 2021-22	Entire ROM is suitable for sale.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No approved proposal for 2021-22	Grade wise sorting has been done by manual	Nil
7c	Different grade of mineral sorted out at mines.	None	Grade wise sorting has been done by manual	Grade wise sorting has been done by manual
7d	Any beneficiation process at mines	No approved proposal for 2021-22	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		No valid proposals for the year 2021- 22. Beneficiation is not warranted. Further, lessee has submitted the draft review of mining plan to this office which is under process.	No valid proposals for the year 2021- 22. Beneficiation is not warranted. Further, lessee has submitted the draft review of mining plan to this office which is under process.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal for the year 2021-22.	No toposil was generated duirng the year 2021-22	None
8b	Concurrent use or storage of topsoil	Nil	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	None	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Except for few bushes and shrubs there is no other vegetation in the lease.	Except for few bushes and shrubs there is no other vegetation in the lease
8g	Survival rate	Nil	None	None
8h	Water sprinkling on roads to control airborne dust	Nil	None	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	There is no approved proposals. Further, during the site inspection, it is observed that few bushes and shrubs existed in the lease area and no other vegetation in the lease.	There is no approved proposals. Further, during the site inspection, it is observed that few bushes and shrubs existed in the lease area and no other vegetation in the lease.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R./ A.R to be submitted in time	M.R./ A.R are being submitted regularly.	The statory returns are being submitted regularly.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021- 22. Further, lessee has submitted the draft review of mining plan to this office which is under process	no valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1) Covered under current (O/C) Workings: 0.809 ha. 2)Used for waste disposal: 0.404 ha.	Found in order	Found in order
9d	Scrutiny of Annual return on afforestation		No valid proposals for the year 2021- 22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021- 22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021- 22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process
9h	Scrutiny of Annual return on fixed assets	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process
9k	Scrutiny of Annual return on mining machineries	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process	No valid proposals for the year 2021-22. Further, lessee has submitted the draft review of mining plan to this office which is under process

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(D.P.Ravi kumar)

Indian Bureau of Mines